

Wei Jiang

List of Publications by Year in descending order

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75
papers

7,320
citations

87888

38
h-index

74163

75
g-index

76
all docs

76
docs citations

76
times ranked

10578
citing authors

#	ARTICLE	IF	CITATIONS
1	DAMP-sensing receptors in sterile inflammation and inflammatory diseases. <i>Nature Reviews Immunology</i> , 2020, 20, 95-112.	22.7	920
2	Dopamine Controls Systemic Inflammation through Inhibition of NLRP3 Inflammasome. <i>Cell</i> , 2015, 160, 62-73.	28.9	753
3	Omega-3 Fatty Acids Prevent Inflammation and Metabolic Disorder through Inhibition of NLRP3 Inflammasome Activation. <i>Immunity</i> , 2013, 38, 1154-1163.	14.3	597
4	Identification of a selective and direct NLRP3 inhibitor to treat inflammatory disorders. <i>Journal of Experimental Medicine</i> , 2017, 214, 3219-3238.	8.5	485
5	Oridonin is a covalent NLRP3 inhibitor with strong anti-inflammasome activity. <i>Nature Communications</i> , 2018, 9, 2550.	12.8	448
6	Trilast directly targets NLRP3 to treat inflammasome-driven diseases. <i>EMBO Molecular Medicine</i> , 2018, 10, .	6.9	325
7	RNA viruses promote activation of the NLRP3 inflammasome through a RIP1-RIP3-DRP1 signaling pathway. <i>Nature Immunology</i> , 2014, 15, 1126-1133.	14.5	273
8	Near-Infrared II Phototherapy Induces Deep Tissue Immunogenic Cell Death and Potentiates Cancer Immunotherapy. <i>ACS Nano</i> , 2019, 13, 11967-11980.	14.6	251
9	CLICs-dependent chloride efflux is an essential and proximal upstream event for NLRP3 inflammasome activation. <i>Nature Communications</i> , 2017, 8, 202.	12.8	246
10	Chemotaxis-driven delivery of nano-pathogenoids for complete eradication of tumors post-phototherapy. <i>Nature Communications</i> , 2020, 11, 1126.	12.8	167
11	Orchestration of NLRP3 Inflammasome Activation by Ion Fluxes. <i>Trends in Immunology</i> , 2018, 39, 393-406.	6.8	158
12	Toll-like receptor 3 ligand attenuates LPS-induced liver injury by down-regulation of toll-like receptor 4 expression on macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17077-17082.	7.1	145
13	Recognition of gut microbiota by NOD2 is essential for the homeostasis of intestinal intraepithelial lymphocytes. <i>Journal of Experimental Medicine</i> , 2013, 210, 2465-2476.	8.5	131
14	TRIM65-catalyzed ubiquitination is essential for MDA5-mediated antiviral innate immunity. <i>Journal of Experimental Medicine</i> , 2017, 214, 459-473.	8.5	120
15	Tumor Reoxygenation and Blood Perfusion Enhanced Photodynamic Therapy using Ultrathin Graphdiyne Oxide Nanosheets. <i>Nano Letters</i> , 2019, 19, 4060-4067.	9.1	118
16	Nanoclustered Cascaded Enzymes for Targeted Tumor Starvation and Deoxygenation-Activated Chemotherapy without Systemic Toxicity. <i>ACS Nano</i> , 2019, 13, 8890-8902.	14.6	111
17	Should genes with missing data be excluded from phylogenetic analyses?. <i>Molecular Phylogenetics and Evolution</i> , 2014, 80, 308-318.	2.7	109
18	Hemoglobin Loaded Platelet Alleviating Tumor Hypoxia and Enhancing the Radiotherapy Effect with Low-Dose X-ray. <i>ACS Nano</i> , 2020, 14, 15654-15668.	14.6	85

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19	Hierarchical Multiplexing Nanodroplets for Imaging-Guided Cancer Radiotherapy via DNA Damage Enhancement and Concomitant DNA Repair Prevention. <i>ACS Nano</i> , 2018, 12, 5684-5698.	14.6	83
20	Selective Requirement for c-Myc at an Early Stage of V β 14i NKT Cell Development. <i>Journal of Immunology</i> , 2009, 182, 4641-4648.	0.8	82
21	TLR-9 Activation Aggravates Concanavalin A-Induced Hepatitis via Promoting Accumulation and Activation of Liver CD4+ NKT Cells. <i>Journal of Immunology</i> , 2009, 182, 3768-3774.	0.8	75
22	Commensal viruses maintain intestinal intraepithelial lymphocytes via noncanonical RIG-I signaling. <i>Nature Immunology</i> , 2019, 20, 1681-1691.	14.5	73
23	Au nanoparticles with enzyme-mimicking activity-ornamented ZIF-8 for highly efficient photodynamic therapy. <i>Biomaterials Science</i> , 2019, 7, 2740-2748.	5.4	72
24	Furin- ϵ -Instructed Intracellular Gold Nanoparticle Aggregation for Tumor Photothermal Therapy. <i>Advanced Functional Materials</i> , 2020, 30, 2001566.	14.9	71
25	Myeloid PTEN promotes chemotherapy-induced NLRP3-inflammasome activation and antitumor immunity. <i>Nature Cell Biology</i> , 2020, 22, 716-727.	10.3	70
26	Nitric Oxide Induces Immunogenic Cell Death and Potentiates Cancer Immunotherapy. <i>ACS Nano</i> , 2022, 16, 3881-3894.	14.6	66
27	RRx-001 ameliorates inflammatory diseases by acting as a potent covalent NLRP3 inhibitor. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1425-1436.	10.5	62
28	Dynamic Regulation of Notch 1 and Notch 2 Surface Expression during T Cell Development and Activation Revealed by Novel Monoclonal Antibodies. <i>Journal of Immunology</i> , 2009, 183, 7212-7222.	0.8	58
29	Plant Lectins Activate the NLRP3 Inflammasome To Promote Inflammatory Disorders. <i>Journal of Immunology</i> , 2017, 198, 2082-2092.	0.8	53
30	ROS-sensitive biomimetic nanocarriers modulate tumor hypoxia for synergistic photodynamic chemotherapy. <i>Biomaterials Science</i> , 2019, 7, 3706-3716.	5.4	53
31	Pseudoneutrophil Cytokine Sponges Disrupt Myeloid Expansion and Tumor Trafficking to Improve Cancer Immunotherapy. <i>Nano Letters</i> , 2020, 20, 242-251.	9.1	53
32	Protein Binding Affinity of Polymeric Nanoparticles as a Direct Indicator of Their Pharmacokinetics. <i>ACS Nano</i> , 2020, 14, 3563-3575.	14.6	52
33	NIR imaging-guided combined photodynamic therapy and chemotherapy by a pH-responsive amphiphilic polypeptide prodrug. <i>Biomaterials Science</i> , 2017, 5, 313-321.	5.4	48
34	Control of Inflammasome Activation by Phosphorylation. <i>Trends in Biochemical Sciences</i> , 2018, 43, 685-699.	7.5	47
35	GPCRs in NLRP3 Inflammasome Activation, Regulation, and Therapeutics. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 798-811.	8.7	47
36	Stepwise-activatable hypoxia triggered nanocarrier-based photodynamic therapy for effective synergistic bioreductive chemotherapy. <i>Biomaterials</i> , 2020, 245, 119982.	11.4	44

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37	Liver-specific HBsAg transgenic mice are over-sensitive to Poly(I:C)-induced liver injury in NK cell- and IFN- β -dependent manner. <i>Journal of Hepatology</i> , 2007, 47, 183-190.	3.7	43
38	MicroRNA-199a-5p inhibits cisplatin-induced drug resistance via inhibition of autophagy in osteosarcoma cells. <i>Oncology Letters</i> , 2016, 12, 4203-4208.	1.8	43
39	GPR34-mediated sensing of lysophosphatidylserine released by apoptotic neutrophils activates type 3 innate lymphoid cells to mediate tissue repair. <i>Immunity</i> , 2021, 54, 1123-1136.e8.	14.3	42
40	Neutrophil Decoys with Anti-inflammatory and Anti-oxidative Properties Reduce Secondary Spinal Cord Injury and Improve Neurological Functional Recovery. <i>Advanced Functional Materials</i> , 2021, 31, 2102912.	14.9	38
41	KIR and HLA Loci Are Associated with Hepatocellular Carcinoma Development in Patients with Hepatitis B Virus Infection: A Case-Control Study. <i>PLoS ONE</i> , 2011, 6, e25682.	2.5	38
42	Role of vasoactive intestinal peptide in osteoarthritis. <i>Journal of Biomedical Science</i> , 2016, 23, 63.	7.0	35
43	Self-Reporting and Splitting Nanopomegranates Potentiate Deep Tissue Cancer Radiotherapy via Elevated Diffusion and Transcytosis. <i>ACS Nano</i> , 2020, 14, 8459-8472.	14.6	35
44	Inhibition of the Inflammasome Activity of NLRP3 Attenuates HDM-Induced Allergic Asthma. <i>Frontiers in Immunology</i> , 2021, 12, 718779.	4.8	33
45	Pre- and post-irradiation mild hyperthermia enabled by NIR-II for sensitizing radiotherapy. <i>Biomaterials</i> , 2020, 257, 120235.	11.4	31
46	Cancer Chemoradiotherapy Duo: Nano-Enabled Targeting of DNA Lesion Formation and DNA Damage Response. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35734-35744.	8.0	30
47	c-Myc controls the development of CD8 α^+ TCR β^+ intestinal intraepithelial lymphocytes from thymic precursors by regulating IL-15-dependent survival. <i>Blood</i> , 2010, 115, 4431-4438.	1.4	27
48	Acidity-triggered TAT-presenting nanocarriers augment tumor retention and nuclear translocation of drugs. <i>Nano Research</i> , 2018, 11, 5716-5734.	10.4	27
49	NLRP11 disrupts MAVS signalosome to inhibit type I interferon signaling and virus-induced apoptosis. <i>EMBO Reports</i> , 2017, 18, 2160-2171.	4.5	26
50	Functional and structural characterization of zebrafish ASC. <i>FEBS Journal</i> , 2018, 285, 2691-2707.	4.7	25
51	Reversing Immunosuppression in Hypoxic and Immune-cold Tumors with Ultrathin Oxygen Self-supplementing Polymer Nanosheets under Near Infrared Light Irradiation. <i>Advanced Functional Materials</i> , 2021, 31, 2100354.	14.9	25
52	⁸¹ Kr Dating at the Guliya Ice Cap, Tibetan Plateau. <i>Geophysical Research Letters</i> , 2019, 46, 6636-6643.	4.0	23
53	Synthetic vitamin K analogs inhibit inflammation by targeting the NLRP3 inflammasome. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2422-2430.	10.5	22
54	Delivery of tacrolimus with cationic lipid-assisted nanoparticles for ulcerative colitis therapy. <i>Biomaterials Science</i> , 2018, 6, 1916-1922.	5.4	21

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55	Multiplexing Nanodrug Ameliorates Liver Fibrosis via ROS Elimination and Inflammation Suppression. <i>Small</i> , 2022, 18, e2102848.	10.0	20
56	Microenvironment-activated nanoparticles for oxygen self-supplemented photodynamic cancer therapy. <i>Biomaterials Science</i> , 2020, 8, 370-378.	5.4	17
57	Hydrogenated Oxide Material for Self-Targeting and Automatic Degrading Photothermal Tumor Therapy in the NIR Bio-Window. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	16
58	Osteopontin Promotes Expression of Matrix Metalloproteinase 13 through NF- κ B Signaling in Osteoarthritis. <i>BioMed Research International</i> , 2016, 2016, 1-8.	1.9	14
59	Study of Sex Differences in Duloxetine Efficacy for Depression in Transgenic Mouse Models. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 344.	3.7	14
60	Nano-metal-organic-frameworks for treating H ₂ O ₂ -Secreting bacteria alleviate pulmonary injury and prevent systemic sepsis. <i>Biomaterials</i> , 2021, 279, 121237.	11.4	13
61	Dual Separation of Krypton and Argon from Environmental Samples for Radioisotope Dating. <i>Analytical Chemistry</i> , 2019, 91, 13576-13581.	6.5	12
62	Combination of Human Leukocyte Antigen and Killer Cell Immunoglobulin-Like Receptor Genetic Background Influences the Onset Age of Hepatocellular Carcinoma in Male Patients with Hepatitis B Virus Infection. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-7.	3.3	11
63	High drug loading and pH-responsive nanomedicines driven by dynamic boronate covalent chemistry for potent cancer immunotherapy. <i>Nano Research</i> , 2021, 14, 3913-3920.	10.4	11
64	Polyphosphoestered Nanomedicines with Tunable Surface Hydrophilicity for Cancer Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32312-32320.	8.0	10
65	An atom trap system for ³⁹ Ar dating with improved precision. <i>Review of Scientific Instruments</i> , 2021, 92, 063204.	1.3	10
66	Inflection Points on Groundwater Age and Geochemical Profiles Along Wellbores Light up Hierarchically Nested Flow Systems. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092337.	4.0	10
67	Controls on the ³⁶ Cl/Cl input ratio of paleo-groundwater in arid environments: New evidence from ⁸¹ Kr/Kr data. <i>Science of the Total Environment</i> , 2021, 762, 144106.	8.0	8
68	Nano-enabled coordination platform of bismuth nitrate and cisplatin prodrug potentiates cancer chemoradiotherapy via DNA damage enhancement. <i>Biomaterials Science</i> , 2021, 9, 3401-3409.	5.4	8
69	Inhibition of the NLRP3 Inflammasome Activation by Manoalide Ameliorates Experimental Autoimmune Encephalomyelitis Pathogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 822236.	3.7	8
70	Sex Differences in Antidepressant Effect of Sertraline in Transgenic Mouse Models. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 24.	3.7	7
71	Controlled Syntheses of Well-Defined Poly(thionophosphoester)s That Undergo Peroxide-Triggered Degradation. <i>Macromolecules</i> , 2019, 52, 4306-4316.	4.8	5
72	Brain estrogen alters the effects of the antidepressant sertraline in middle-aged female and male mice. <i>Molecular and Cellular Endocrinology</i> , 2020, 516, 110947.	3.2	4

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73	Monitoring atmospheric ^{85}Kr by atom counting. <i>Journal of Environmental Radioactivity</i> , 2021, 233, 106604.	1.7	3
74	IL-18 maintains the homeostasis of mucosal immune system via inflammasome-independent but microbiota-dependent manner. <i>Science Bulletin</i> , 2021, 66, 2115-2123.	9.0	3
75	Fast atom-trap analysis of ^{39}Ar with isotope pre-enrichment. <i>Review of Scientific Instruments</i> , 2022, 93, 023203.	1.3	1